

DII.3200.NT40.Kernel.VDD-1

**Defense Information Infrastructure (DII)
Common Operating Environment (COE)**

Version 3.2.0.0

**Version Description Document for the Kernel
(Windows NT 4.0)**

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NOTE: Courier font is used to indicate entries to be typed at the keyboard, Windows NT commands, file and directory names, and screen text. For example:

The file is located in the `DII_DEV` directory.

1. System Overview

The Defense Information Infrastructure (DII) Common Operating Environment (COE) will normally make available a large number of segments, not all of which are required for every application. The COE *Kernel* is the minimum set of software required on every workstation regardless of how the workstation will be used. The COE Kernel for the Windows NT environment includes the following component:

- Ⓒ **COEInstaller runtime tool Version 1.0.0.11**—Used to support the segment installation process. The COEInstaller tool displays a list of segments that may be installed from a mapped drive, floppy diskette, or CD-ROM. The COEInstaller tool normally is executed by an operator who selects it from the `DII Administrator` program manager group.

The *DII COE Integration and Runtime Specification* and the *DII COE System Administrator's Guide (Windows NT 4.0)* provide a description of the COEInstaller tool and its functionality.

This version of the DII COE Kernel is designed to run on the Windows NT Operating System Version 4.0.

2. Referenced Documents

The following documents are referenced in this Version Description Document (VDD):

- Ⓒ DII COE I&RTS:Rev 3.0, *Defense Information Infrastructure (DII) Common Operating Environment (COE) Integration and Runtime Specification* Version 3.0, January 1997
- Ⓒ DII.3200.NT40.AG-1, *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.2.0.0 System Administrator's Guide (Windows NT 4.0)*, June 13, 1997
- Ⓒ DII.3200.NT40.Kernel.IG-1, *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.2.0.0 Kernel Installation Guide (Windows NT 4.0)*, June 13, 1997.

3. Version Description

3.1 Inventory of Materials Released

- C Magnetic media: Two copies of two 3.5" floppy diskettes containing the DII COE Kernel packaged in an InstallShield installer for Windows NT 4.0.
- C Soft-copy Documentation: One 3.5" floppy diskette (WordPerfect 6.0 for Windows format) containing the *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.2.0.0 Version Description Document for the Kernel (Windows NT 4.0)*, Document Control No. DII.3200.NT40.Kernel.VDD-1, June 13, 1997.
- C Hard-copy Documentation: Two hard copies of the aforementioned VDD.

3.2 Software Changes

The COEInstaller was enhanced to support distributions. Reference the following table for a list of software changes for the DII COE Version 3.2.0.0 Kernel (Windows NT 4.0). The software changes are listed in order of INRI number.

DII COE Version 3.2.0.0 Kernel (Windows NT 4.0) Software Changes	
Total Software Changes: [1]	
INRI Number:	RTO00001229
Agency Number:	D70260
Priority:	3
Short Description:	COEFindSeg does not appear to return the correct error statuses, particularly a status of 2.
Long Description:	COEFindSeg does not appear to return the correct error statuses, particularly a status of 2 (requested segment not found).

4. Installation Instructions

Reference the *DII COE Kernel Installation Guide (Windows NT 4.0)* for instructions on installing the DII COE Kernel.

5. Known Problems and Errors

Reference the following table for a list of known problems and errors for the DII COE Version 3.2.0.0 Kernel (Windows NT 4.0). The known problems and errors are listed in order of INRI number.

DII COE Version 3.2.0.0 Kernel (Windows NT 4.0) Known Problems and Errors	
Total Open Known Problems and Errors: [3]	
INRI Number:	RTO00001652
Agency Number:	None.
Priority:	3
Short Description:	The COEInstaller does not allow the user to select a new target disk when prompted.
Long Description:	<p>The COEInstaller does not allow the user to select a new target disk when prompted after installation has begun. Instead, the COEInstaller displays the following error:</p> <pre>NTInstExtractFiles failed Unable to extract Bravo#Software#1.0.0.0#PC</pre> <p>It appears the drive letters displayed in the window are in error "C" versus "C:\". The workaround is to select the target drive before executing the installation.</p>
INRI Number:	RTO00001662
Agency Number:	None.
Priority:	3
Short Description:	COEFindSeg will not find a segment on a mapped disk drive, even when that drive is explicitly specified using the -p option.
Long Description:	COEFindSeg will not find a segment that exists on a mapped disk drive, even when that disk drive is explicitly specified using the -p option.

DII COE Version 3.2.0.0 Kernel (Windows NT 4.0) Known Problems and Errors	
INRI Number:	RTO00001703
Agency Number:	None.
Priority:	4
Short Description: The COEInstaller does not completely deinstall segments that are listed twice in the Installed Segments panel of the window.	
Long Description: Action: The user installed an orphan segment (a segment outside of a bundle) of a distribution and then installed a bundle with the orphan contained within the bundle. The system prompted the user to deinstall the previously installed segment (as expected) and the user selected "Yes" as the response. Result: The segment is listed twice in the Installed Segments panel of the COEInstaller--once within the bundle and once as an orphan. Follow-on Action: The user proceeded to deinstall the segment in the bundle. Result: Both listings of the segment were removed from the Installed Segments panel. However, the following error message appeared: <div style="padding-left: 40px;">Unable to find Segment "Test Segment ALPHA"</div> The workaround is to edit the distrib.installed file, removing the items associated with the deleted segment.	

6. Release Notes

1. This release of the DII COE Kernel performs a non-destructive installation if it is installed over a Version 3.0.0.6 Kernel or later. If installed over a Version 3.0.0.5 Kernel or earlier, this release of the DII COE Kernel performs a destructive installation. In other words, if a previous version of the DII COE Kernel is installed on the machine, the kernel installation process will remove the registry entries for previously installed segments. Segments that were part of the previous kernel installation (i.e., COE, SysAdm, and WINNT) will be overwritten. Reference the *DII COE Kernel Installation Guide (Windows NT 4.0)* for detailed instructions on installing the DII COE Kernel.
2. If `PostInstall.bat` has a line that executes `PARENT.EXE` and `PARENT.EXE` causes `CHILD.EXE` to execute, then if `PARENT.EXE` completes before `CHILD.EXE`, the function will move on to the next line of the `PostInstall.bat`, ignorant of the existence of `CHILD.EXE`.
3. The DII COE Kernel must be installed on the NTFS (NT File System). For this reason, the DOS file name limitations of an eight-character file name with a three-character extension (e.g., `FILENAME.EXT`) do not apply to COE files.

4. It is recommended that you close all other applications before running the COEInstaller. Doing so will prevent possible conflicts between running applications and the applications being installed.
5. Account groups are provided as `Programs Menu` icon groups. For this reason, when an account group is installed, no new login or profile is created.
6. The COEInstaller forces patches to be deinstalled in the correct order. Patch segments of a higher number must be deinstalled before patch segments of a lower number. However, if multiple patches are selected for removal at the same time, the COEInstaller may generate an error that states that the higher numbered patches must be deinstalled first. If this occurs, deinstall the patches one at a time in the correct order.
7. This version of the COEInstaller can process media created by previous versions of the MakeInstall tool. This requires the COEInstaller to support both InstallShield-based MakeInstall media and non-InstallShield-based MakeInstall media. Because of this dual support, the user interface may appear to be different when extracting the two types of MakeInstall media. Despite these differences in appearance, the COEInstaller functionality remains the same.
8. A segment cannot be deinstalled if other existing segments depend on it. The dependent segments must be deinstalled first.
9. Version 1.0.1.2 of the MakeInstall tool, which was released with DII COE Version 2.0.0.1, had a known problem with splitting some segments between disks. In some cases, the media created by Version 1.0.1.2 of MakeInstall could not be installed by the COEInstaller released with DII COE Version 2.0.0.1. This problem was resolved in Version 1.0.1.4 of MakeInstall. Because Version 1.0.1.2 of MakeInstall media was incorrect in some cases, some media created by the Version 1.0.1.2 of MakeInstall will not be able to be installed on this release of the COEInstaller as well.
10. A Windows NT segment that contains a `PreInstall`, `PostInstall`, and `DEINSTALL` batch file will run in DOS mode automatically. If the properties of the DOS console window on the machine are set to `Full Screen` rather than `Window`, the screen will appear to flicker when the DII COE Installer executes the batch files. The solution to this problem is to change the properties of the DOS console window from `Full Screen` to `Window`. To change the properties of the DOS console window, click on the `Start` button on the Windows NT taskbar, point to `Settings`, and click on `Control Panel`. The `Control Panel` window appears. Double-click on the `Console` icon to open the `Console Windows Properties` window. Click on the `Options` tab, click on the `Window` toggle in the `Display Options` control box, and click on the `OK` button to apply the changes.
11. When using the COEPromptPassword Application Programmer Interface (API), the software does not check if the `max_text_len` of the password is set to less than or equal to zero. Therefore, the value will not default to a maximum length of 40 characters.

12. The COEInstaller will terminate unexpectedly while reading the table of contents when the MakeInstall media contains a patch segment and the affected segment is not already installed on the machine. The workaround is to make sure the affected segment is already installed on the machine before attempting to read MakeInstall media containing a patch for the segment.